

A15 > Abstract

Circuit for measuring the coil current of an electromagnetic actuator and method for determining the offset error

When measuring the coil current on an electromagnetic actuator (1), the current (I) through the coil (14, 16) is measured when the actuator (1) is in a final position (19, 20) in which the coil (14, 16) is not supplied with current. An offset error can be determined from the measured value then occurring. In the case of an actuator (1) which drives a gas exchange valve (2, 3, 4), the offset error determination is preferably performed when the gas exchange valve (2, 3, 4) is in the final position (19, 20), in which the coil (16, 14) for which the offset error is to be determined is not supplied with current.

~~Figure 3~~